	Application No.	Applicant(s)		
Notice of Allowability	10/001,218	INGRAM ET AL.	INGRAM ET AL.	
	Examiner	Art Unit		
	Tekchand Saidha	1652		
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS erewith (or previously mailed), a Notice of Allowance (PTOL-85) IOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate comm GHTS. This application is:	n this application. If not included unication will be mailed in due course. I		
. X This communication is responsive to amendment filed 7/20	<u>0/2004</u> .			
. ⊠ The allowed claim(s) is/are <u>1,6-10,15-17 and 19-22</u> .				
. The drawings filed on are accepted by the Examine	r.			
Acknowledgment is made of a claim for foreign priority un a) □ All b) □ Some* c) □ None of the: 1. □ Certified copies of the priority documents have 2. □ Certified copies of the priority documents have 3. □ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Application	on No	the	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requiremen	ts	
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give)F	
(a) ☐ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the state of the sheet in the state of the sheet.	con's Patent Drawing Review s Amendment / Comment o .84(c)) should be written on t he header according to 37 CI	in the Office action of the drawings in the front (not the back) of R 1.121(d).		
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 				
Attachment(s) . Notice of References Cited (PTO-892) . Notice of Draftperson's Patent Drawing Review (PTO-948) . Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview S Paper No. 7. Examiner's	formal Patent Application (PTO-152) ummary (PTO-413), 'Mail Date Amendment/Comment Statement of Reasons for Allowance		

Application/Control Number: 10/001,218

Art Unit: 1652

Notice of Allowability

- 1. The terminal disclaimer filed on July 20, 2004 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of 5,482,846 and 5,916,787 has been reviewed and is accepted. The terminal disclaimer has been recorded.
- 2. Applicants' amendment after final filed July 20 2004, is acknowledged. Claims 1, 6-10, 15-17 & 19-22 are pending and under consideration in this examination.
- 3. Claims 1, 6-10, 15-17 & 19-22 are allowed.
- 4. The following is an Examiner's statement of reasons for allowance:

The application provides B. polymyxa and B. subtilis cells transformed with (a) alcohol dehydrogenase (ADHII) and pyruvate decarboxylase (PDC) genes from Zymomonas mobilis and (b) a heterologous DNA encoding a protein involved in transport of mono and oligosaccharides into the host cell.

The expression of these heterologous genes results in the production of enzymes which redirect the metabolism of the transformed hosts such that ethanol is produced as a primary fermentation product and thereby reduce accumulation of acidic metabolic products.

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No prior art reference(s) of record teach(es), suggest(s) or provide motivation to one of ordinary skill in the art of enzymology/molecular biology to make the invention obvious.

Any comments considered necessary by applicant must be submitted no later than the payments of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tekchand Saidha (Ph.D.) whose telephone number is (571) 272-0940. The examiner can normally be reached on Monday-Friday from 8:15 am to 4:45 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ponnathapu Achutamurthy, can be reached at (571) 272-0928. The fax phone number for this Group in the Technology Center is 703 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is 571 272-1600.

Jesoudla Tekchand Saidha

Primary Examiner, Art Unit 1652

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August 10, 2004